Pioneer

Service Manual

ORDER NO.
RRV2095

DVD LD PLAYER

DVL-919E

● **Refer to the service manual RRV1888 for DVL-909/WY.**

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model	Power Requirement	Region No.	Remarks
	DVL-919E			
WY	○	AC220-240V	2	
WY/RD	○	AC220-240V	4	
WY/RE	○	AC220-240V	5	

CONTENTS

1. CONTRAST OF MISCELLANEOUS PARTS ····· 2
2. SCHEMATIC DIAGRAM ····· 6
3. PCB CONNECTION DIAGRAM ····· 8

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1. CONTRAST OF MISCELLANEOUS PARTS

NOTES :
- *Parts marked by " NSP " are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Reference Nos. indicate the pages and Nos. in the service manual for the base model.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω → 56 × 10 [1] → 561 ..... RD1/4PU 5 6 1 J

47k Ω → 47 × 10 [3] → 473 ..... RD1/4PU 4 7 3 J

0.5 Ω → R50 ..... RN2H R 5 0 K

1 Ω → 1R0 ..... RS1P 1 R 0 K

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k Ω → 562 × 10 [1] → 5621 ..... RN1/4PC 5 6 2 1 F

■ CONTRAST TABLE

DVL-919E/WY, WY/RD, WY/RE and DVL-909/WY are constructed the same except for the following:

Ref. No.	Mark	Symbol and Description	Part No.				Remarks
			DVL-909	DVL-919E			
			WY	WY	WY/RD	WY/RE	
		PCB ASSEMBLIES					
	NSP	CLDGM ASSY	VWM1806	VWM1886	VWM1886	VWM1886	
P9 - 13		├ CLDM ASSY	VWS1332	VWS1365	VWS1365	VWS1365	∗1
P7 - 21		├ JCKB ASSY	VWV1578	VWV1639	VWV1639	VWV1639	∗2
P7 - 26		└ MSWB ASSY	VWG1895	VWG2017	VWG2017	VWG2017	∗3
		DVDM ASSY	VWS1328	VWS1373	VWS1373	VWS1373	∗4
		PACKING					
P3 - 6		Remote Control Unit (CU-DV013)	VXX2534	Not used	Not used	Not used	
P3 - 6		Remote Control Unit (CU-DV029)	Not used	VXX2608	VXX2608	VXX2608	
P3 - 9		Operating Instructions (English/French/German/Italian)	VRE1069	VRE1076	VRE1076	VRE1076	
P3 - 10		Operating Instructions (Spanish/Portuguese/Dutch/Swedish)	VRF1043	VRF1047	Not used	Not used	
P3 - 11	NSP	Warranty Card	ARY7008	ARY7022	Not used	ARY7022	
P3 - 15		Packing Case	VHG1724	VHG1769	VHG1769	VHG1769	
P3 - 16		Label	Not used	Not used	VRW1761	VRW1756	
P3 - 17		Label (Region)	VRW1701	VRW1701	VRW1705	VRW1755	
		FRONT PANEL SECTION					
P5 - 1		Front Almi	VAH1280	VAH1304	VAH1304	VAH1304	
P5 - 18		Name Plate	VAM1051	PAN1377	PAN1377	PAN1377	
		TOP VIEW SECTION					
P7 - 9		Heat Sink	VNE2134	Not used	Not used	Not used	
P7 - 10		Radiation Seat	VEB1282	Not used	Not used	Not used	
		BOTTOM VIEW SECTION					
P9 - 29		Rear Cover	VNA1925	VNA2030	VNA2052	VNA2052	
P9 - 35		Housing Assy (13P)	VKP2162	VKP2199	VKP2199	VKP2199	
P9 - 39		Label (Region)	VRW1700	Not used	VRW1704	VRW1754	

∗1 : Refer to " PCB PARTS LIST ", " 2. SCHEMATIC DIAGRAM " and " 3. PCB CONNECTION DIAGRAM ".
∗2 : Although VWV1639 and VWV1578 are differnt in part number, they have same service parts.
∗3 : Although VWG2017 and VWG1895 are differnt in part number, they have same service parts.
∗4 : Refer to " CONTRAST OF PCB ASSEMBLIES ".

■ CONTRAST OF PCB ASSEMBLIES

IF DVDM ASSY

VWS1373 and VWS1328 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		VWS1328	VWS1373	
	IC602	PDK026C	PDK036A	
	IC801	MB86371	MB86371C	
	IC6003	VYW1615	VYW1597	
	R2	RS1/16S103J	RS1/16S223J	
	R137, R501, R502, R505, R506, R604–R607	RA4C220J	DCN1104 (20Ω)	
	R712, R713, R719, R724, R748, R749, R791	RA4C220J	DCN1104 (20Ω)	
	R802, R803, R808, R901, R905, R907	RA4C220J	DCN1104 (20Ω)	
	R909, R910, R912, R913, R916–R919	RA4C220J	DCN1104 (20Ω)	
	R507, R508, R624, R628, R633, R703, R704	RA4C103J	DCN1094 (10Ω)	
	R717, R718, R745, R746, R761, R762, R792	RA4C103J	DCN1094 (10Ω)	
	R812, R813	RA4C103J	DCN1094 (10Ω)	
	R602, R603, R610, R613, R618	RA4C470J	DCN1090 (47Ω)	

■ PCB PARTS LIST

Mark	No.	Description	Part No.
		JF CLDM ASSY	
		SEMICONDUCTORS	
	IC761		BA10393F
	IC251, IC680, IC905, IC906		BA4560F
	IC203		CY2081SL-611
	IC171, IC803		LA6510
	IC400		LA7134M
	IC801		LA9425
	IC901		LA9430M
	IC908		LC78625E
	IC182, IC183		MM6558XF
⚠	IC221		NJM78L08A
⚠	IC222		NJM79L08A
	IC351		PA0061AM
	IC202		PD0236AM
	IC101		PD0261A2
	IC500		PD6159B
	IC201		PE8001A
	IC902		TA8410AK
	IC181, IC410, IC762, IC907		TC4W53F
	IC620		TC74HC4053AF
	IC206		TC7S02F
	IC102		TC7S32F
	IC205, IC207		TC7SH02F
	IC550		TC7SU04F
	IC650		TC7W00F
	IC204, IC208		TC7WU04F
	Q121, Q182, Q351, Q353, Q354		2PB709A
	Q356, Q411, Q451, Q456, Q461		2PB709A
	Q482, Q484, Q485, Q580, Q645		2PB709A
	Q672		2PB709A
	Q269, Q270, Q391–Q393, Q401		2PD601A
	Q425, Q441, Q481, Q486, Q626		2PD601A
	Q631, Q632, Q636, Q646, Q647		2PD601A
	Q655–Q658, Q661, Q662, Q671		2PD601A
	Q803, Q811, Q903–Q906		2PD601A
	Q834		2SA854S
	Q141		2SA933S
	Q152		2SC3082K
	Q261, Q262		2SD2114K
	Q211, Q213, Q217, Q357, Q358		PDTA124EK
	Q394, Q466, Q467, Q483, Q651		PDTA124EK
	Q981		PDTA124EK
	Q122, Q142, Q143, Q181, Q215		PDTC124EK
	Q218, Q233, Q652, Q901, Q908		PDTC124EK
	D221		EC10QS04
	D311, D505, D510		KV1851

Mark	No.	Description	Part No.
	D101, D141, D181, D250, D480		MA111
	D650, D655, D902, D981		MA111
	D355, D356		MA152WA
	D115, D142, D143		UDZS5.1B

COILS AND FILTERS

	F590	CHIP BEAD	DTF1069
	L9231, L9232, L9584	CHIP INPEDER	DTL1028
	L413, L414		LAU120J
	L401		LAU121J
	L482		LAU180J
	L352, L821–L823		LAU181J
	L201, L209, L251, L311, L312		LAU220J
	L351, L461, L831		LAU220J
	L412, L587		LAU270J
	L431, L484		LAU330J
	L432		LAU390J
	L433, L575		LAU430J
	L411		LAU470J
	L671		LAU4R7J
	L462		LAU560J
	L483		LAU8R2J
	L832		LFA220J
	L463		LFA561J
	F361	684KHz FILTER	VTF1035
	F362	1066KHz FILTER	VTF1036
	F571	15.0MHz FILTER	VTF1068
	F238–F240	CHIP SOLID INDUCTOR	VTF1096
	F573	14.3MHz FILTER	VTF1099
	L403, L404	(22µH)	VTL1058
	L223, L230	CHIP BEADS	VTL1098
	L233	CHIP BEADS	VTL1101

CAPACITORS

	C229, C414, C418, C421, C429	CCSQCH100D50
	C483, C543, C577	CCSQCH100D50
	C353, C412, C655, C821	CCSQCH101J50
	C837–C839, C843, C864, C865	CCSQCH101J50
	C921, C943	CCSQCH102J50
	C484	CCSQCH120J50
	C413	CCSQCH121J50
	C497, C569	CCSQCH150J50
	C355, C494, C823, C901	CCSQCH151J50
	C313, C352, C432	CCSQCH180J50
	C205, C504, C509, C824, C973	CCSQCH220J50
	C255, C256, C489, C555	CCSQCH221J50
	C230, C354, C416, C428, C433	CCSQCH270J50
	C485, C830	CCSQCH270J50
	C104, C105, C257, C258, C356	CCSQCH330J50
	C431, C451, C458, C579, C596	CCSQCH330J50
	C456	CCSQCH360J50
	C351, C405, C672	CCSQCH390J50
	C671	CCSQCH391J50
	C217, C222, C461	CCSQCH470J50

Mark	No.	Description	Part No.
	C371, C372, C925		CCSQCH471J50
	C459		CCSQCH560J50
	C941		CCSQCH561J50
	C597		CCSQCH5R0C50
	C358, C408, C598, C806		CCSQCH680J50
	C920		CCSQCH681J50
	C434–C436, C822, C829		CCSQCH7R0D50
	C357, C825		CCSQCH820J50
	C462		CCSQCH910J50
	C123		CCSQSL102J50
	C656		CEANP100M16
	C629, C639		CEANP220M10
	C986		CEANP3R3M50
	C187, C441, C856		CEANP470M6R3
	C221, C394, C975		CEAT100M50
	C391, C437, C832, C834, C884		CEAT101M10
	C259		CEAT102M6R3
	C269, C270, C867, C929		CEAT1R0M50
	C495, C927, C928, C931		CEAT220M50
	C981, C982		CEAT220M50
	C102, C204, C209, C223, C224		CEAT470M16
	C244, C251, C316, C317, C382		CEAT470M16
	C390, C802, C804, C842, C852		CEAT470M16
	C854, C859, C860		CEAT470M16
	C253, C254, C261–C264		CEAT470M25
	C984		CEAT4R7M50
	C383, C922		CEATR47M50
	C936, C940		CEJA101M6R3
	C902		CEJA220M50
	C863, C934		CEJA2R2M50
	C862		CEJA4R7M50
	C439		CEV100M16
	C471, C473, C475, C507, C531		CEV101M6R3
	C535, C537, C539, C541, C561		CEV101M6R3
	C571, C581, C591, C593		CEV101M6R3
	C631		CEV470M6R3
	C477		CFTLA154J50
	C478		CFTLA683J50
	C425, C910		CKSQYB102K50
	C620, C845, C881, C917, C942		CKSQYB104K25
	C506, C511, C933		CKSQYB105K10
	C923		CKSQYB153K25
	C911		CKSQYB154K16
	C903		CKSQYB222K50
	C379, C380		CKSQYB392K50
	C373–C376, C388, C912, C932		CKSQYB472K50
	C963		CKSQYB473K25
	C763		CKSQYB682K50
	C106–C112, C117, C121, C124		CKSQYF103Z50
	C153, C155, C173, C181		CKSQYF103Z50
	C183, C184, C188, C189, C203		CKSQYF103Z50
	C206, C208, C210, C231–C235		CKSQYF103Z50
	C240–C242, C245–C247		CKSQYF103Z50
	C249, C250, C252, C281, C282		CKSQYF103Z50
	C311, C315, C318, C359–C362		CKSQYF103Z50

Mark	No.	Description	Part No.
	C381, C386, C389, C411, C419		CKSQYF103Z50
	C422, C426, C442, C452, C457		CKSQYF103Z50
	C466, C505, C510, C558, C573		CKSQYF103Z50
	C575, C576, C580, C583, C587		CKSQYF103Z50
	C761, C762, C801, C803, C811		CKSQYF103Z50
	C831, C833, C836, C841, C846		CKSQYF103Z50
	C851, C853, C861, C882, C883		CKSQYF103Z50
	C885, C924, C935, C937, C939		CKSQYF103Z50
	C945–C947, C962, C974, C983		CKSQYF103Z50
	C101, C103, C122, C151, C152		CKSQYF104Z25
	C171, C172, C182, C199		CKSQYF104Z25
	C267, C268, C385, C387, C392		CKSQYF104Z25
	C402, C404, C430, C438, C440		CKSQYF104Z25
	C445, C447, C467, C468, C472		CKSQYF104Z25
	C474, C476, C491, C493, C496		CKSQYF104Z25
	C498, C508, C524, C532, C536		CKSQYF104Z25
	C538, C540, C542, C556, C557		CKSQYF104Z25
	C562, C572, C582, C586, C589		CKSQYF104Z25
	C592, C594, C622, C626–C628		CKSQYF104Z25
	C630, C636, C638, C660		CKSQYF104Z25
	C681–C683, C764, C805, C847		CKSQYF104Z25
	C857, C858, C866, C913, C914		CKSQYF104Z25
	C919, C971, C972, C976		CKSQYF104Z25
	C186, C685, C855, C926, C930		CKSQYF223Z50
	C938		CKSQYF223Z50
	C377, C378, C908, C909		CKSQYF224Z25
	C154, C156, C174, C312, C460		CKSQYF473Z50
	C826, C828		CKSQYF473Z50
	C265, C266		CQMBA332J50
	VC301	(20pF)	VCM1008

RESISTORS

	R753		RA4C221J
	R203, R752		RA4C471J
	R591, R592		RA4C681J
	R833, R834, R837, R839		RN1/10SE1002D
	R891, R892		RN1/10SE1002D
	R152, R156, R618		RN1/10SE1003D
	R532		RN1/10SE1100D
	R425		RN1/10SE1202D
	R251, R252		RN1/10SE1602D
	R531		RN1/10SE1800D
	R631		RN1/10SE2201D
	R635		RN1/10SE2701D
	R151, R259, R260, R277, R278		RN1/10SE3302D
	R893, R894		RN1/10SE3302D
	R153, R154		RN1/10SE4702D
	R653		RN1/10SE5601D
	R650		RN1/10SE6800D
	VR450	(2.2kΩ)	PCP1025
	VR603	(4.7kΩ)	PCP1028
	VR604, VR607, VR609	(47kΩ)	PCP1031
	Other Resistors		RS1/10S□□□J

Mark	No.	Description	Part No.

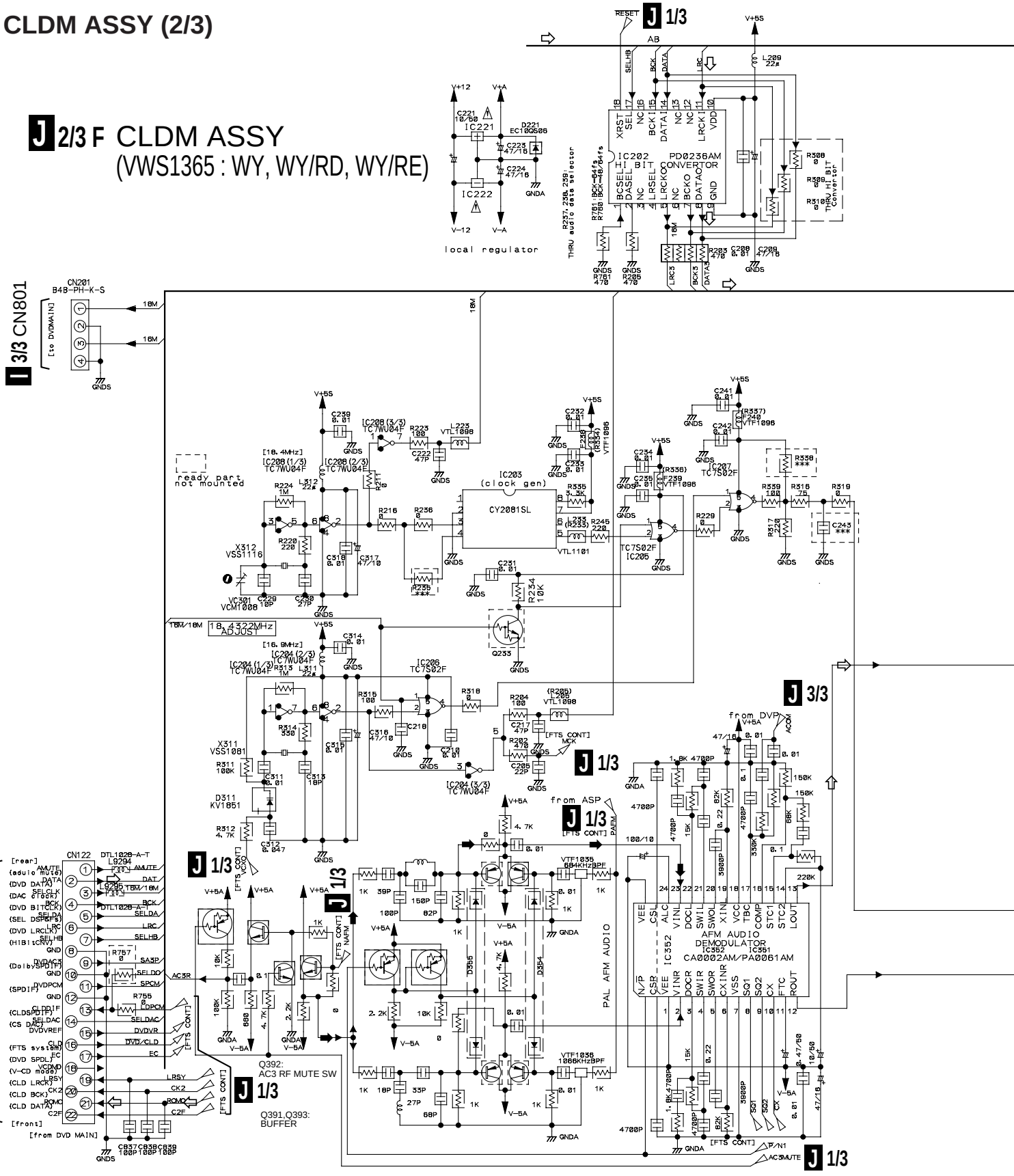
OTHERS

	CN103, CN404	6P FFC CONNECTOR	52045-0645
	CN102	10P FFC CONNECTOR	52045-1045
	CN101	15P FFC CONNECTOR	52045-1545
	CN802	11P CONNECTOR	B11P-SHF-1AA
	CN403	KR CONNECTOR	B13B-PH-K-S
	CN201	KR CONNECTOR	B4B-PH-K-S
	CN202	KR CONNECTOR	B7B-PH-K-S
		SCREW	BBZ30P060FCC
	CN402	14P CONNECTOR	BTFN14S-3SB7
	CN401	20P CONNECTOR	BTFN20S-3SB7
	JA252	2P JACK	PKB1024
	JA101, JA102	JACK	RKN1004
		PCB BINDER	VEF1040
	CN111, CN122	22P FFC CONNECTOR	VKN1253
	CN801	27P FFC CONNECTOR	VKN1258
		SCREW PLATE	VNE1948
	S102	SLIDE SWITCH	VSH1020
	X101	CERAMIC RESONATOR(9MHz)	VSS1040
	X311	CRYSTAL RESONATOR(16MHz)	VSS1081
	X505	CRYSTAL RESONATOR(14MHz)	VSS1103
	X312	CRYSTAL RESONATOR(18.432MHz)	VSS1116
	X510	CRYSTAL RESONATOR(15MHz)	VSS1125

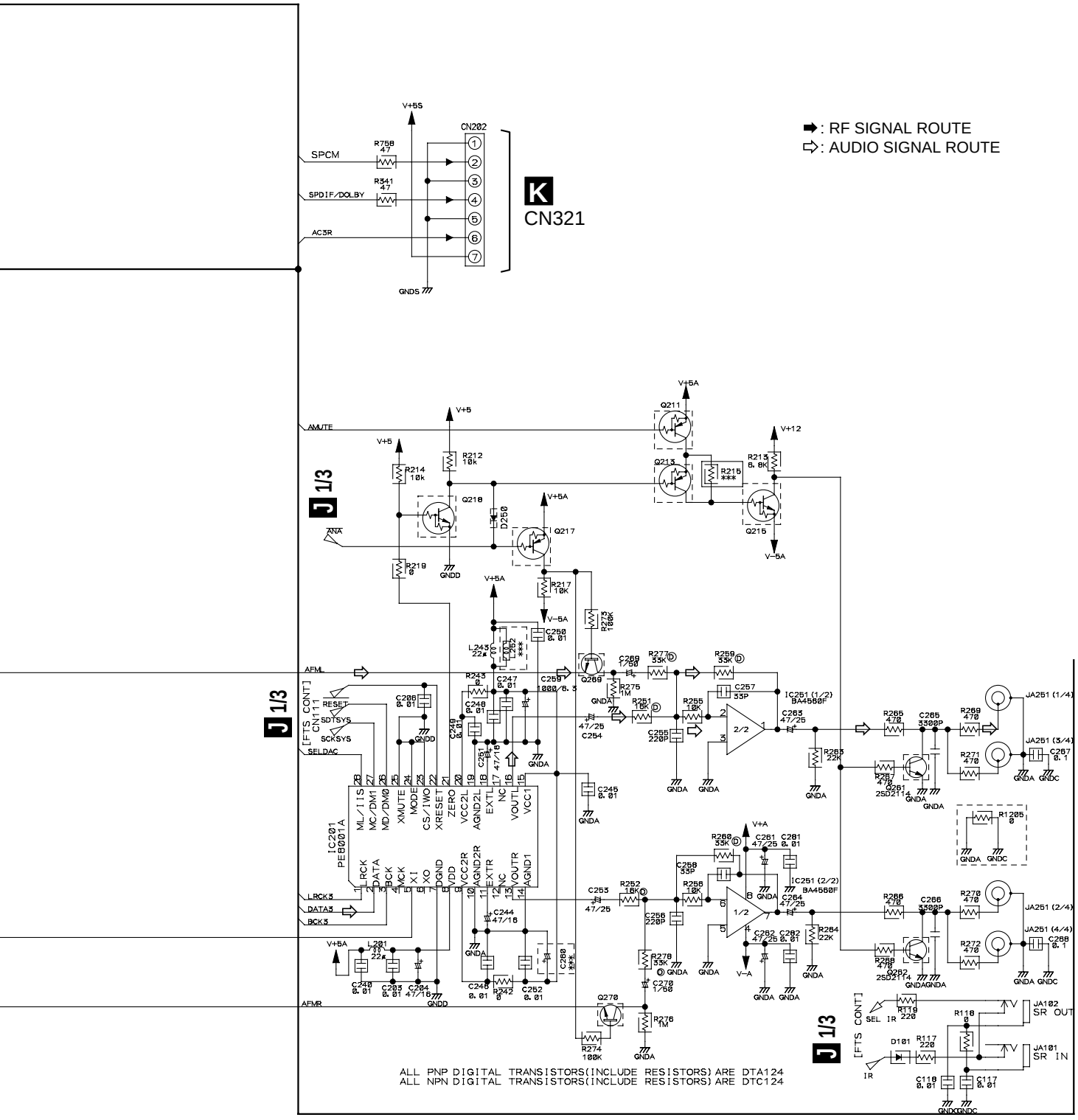
2. SCHEMATIC DIAGRAM

2.1 CLDM ASSY (2/3)

J 2/3 F CLDM ASSY
(VWS1365 : WY, WY/RD, WY/RE)

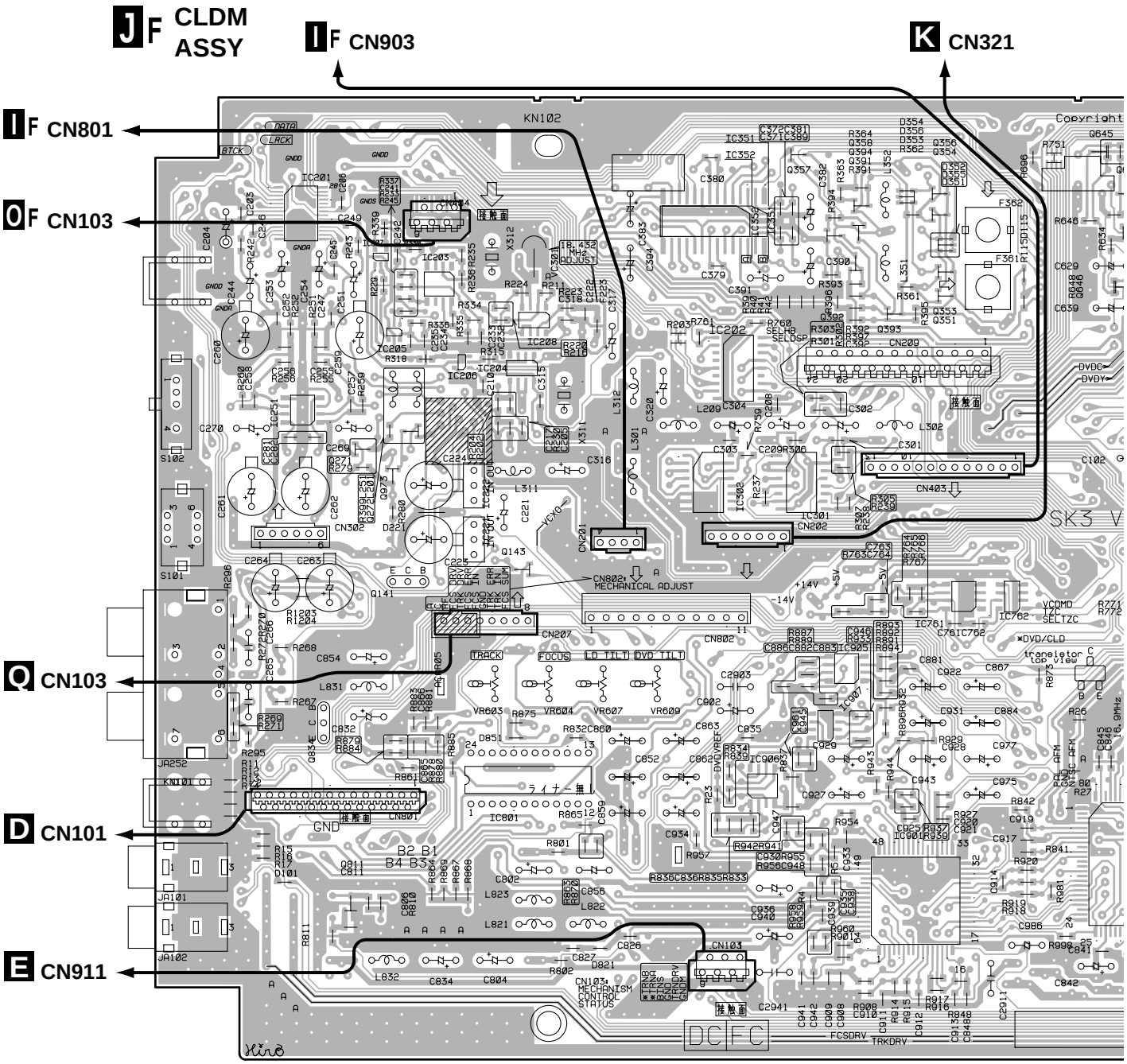


Note : When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".



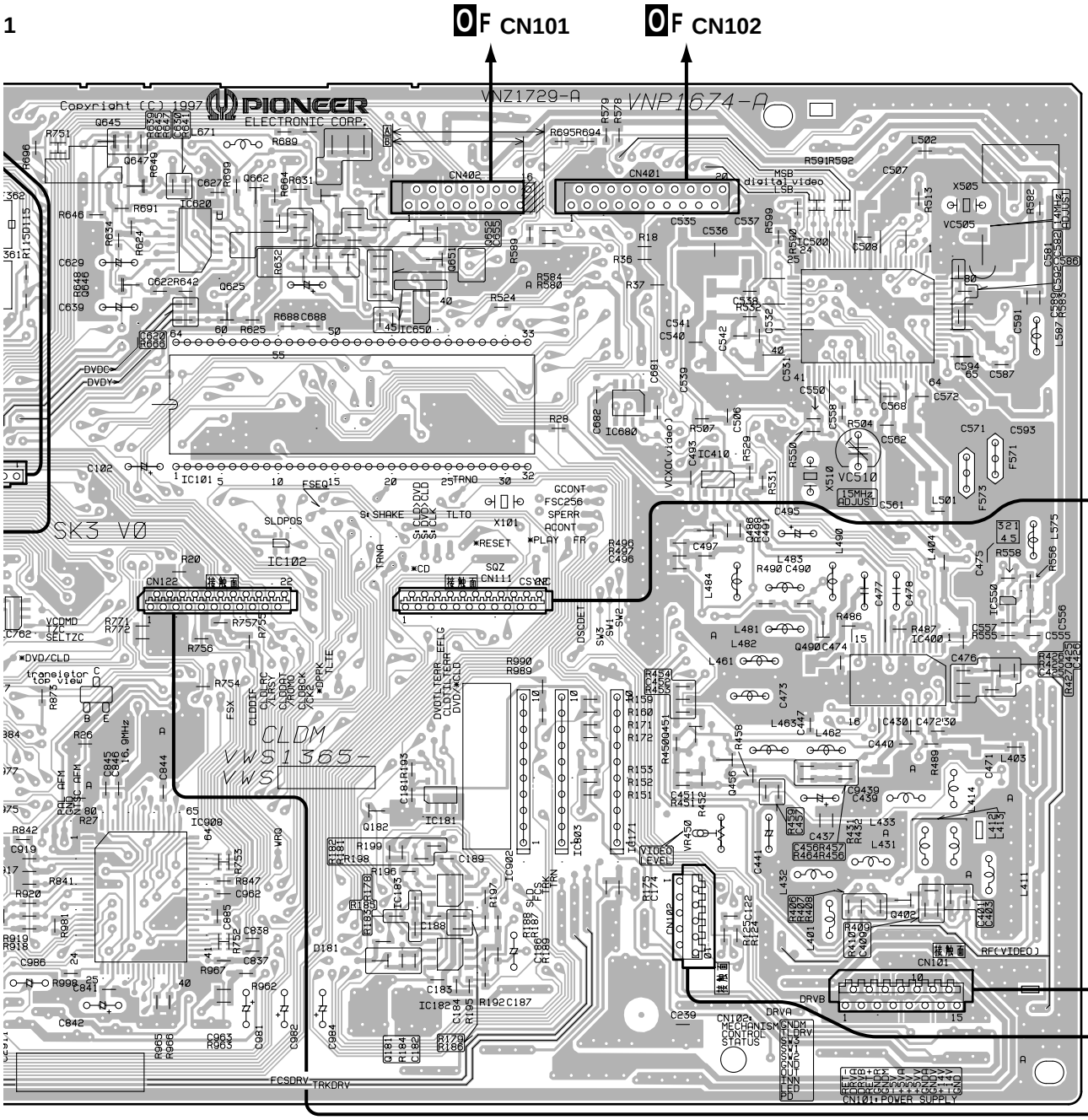
3. PCB CONNECTION DIAGRAM

3.1 CLDM ASSY



VC301
VR603 VR604 VR607VR609

IC201 IC251 IC203—IC206 IC208 IC209 IC352 IC351 Q357 Q358 Q356 Q353 Q645
Q834 Q271 Q973 Q272 IC202 Q354 Q351
Q141 IC222 Q143 IC302 IC301 Q391—Q394 IC761 IC762
Q811 IC221 IC801 IC905—IC907 IC901 IC


1
OF CN101
OF CN102
VNZ1729-A
VNP1674-A
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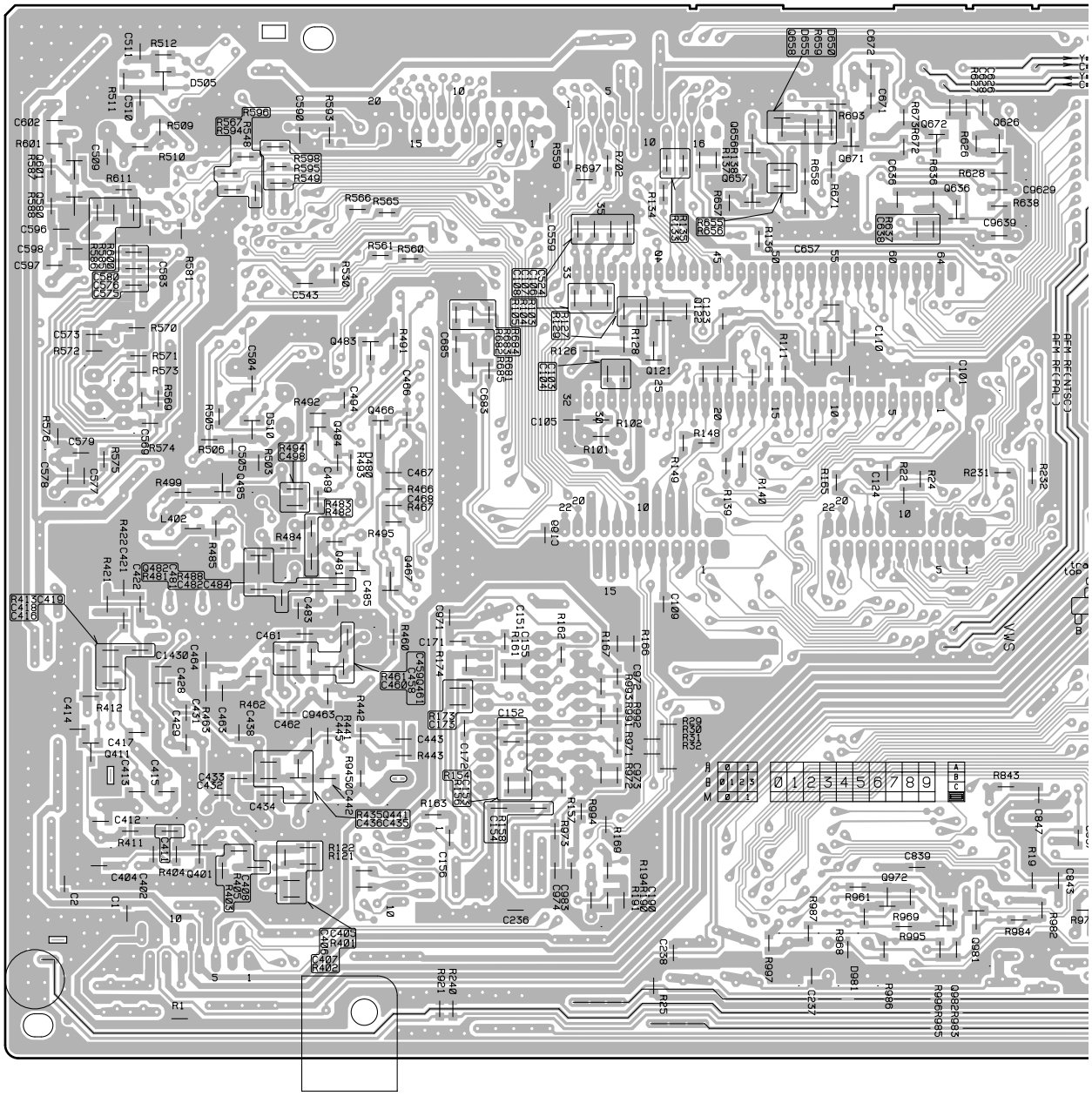
IF CN902
R CN203
A CN101
IF CN901
SK3 V0
CLDM VWS1365-
VWS
VR450
VC510
VC505
Q645—Q647 Q662
IC620 Q625
IC101 IC102
IC908
Q652 Q651
IC650
Q182 IC181—IC183
Q181
IC680 IC410
IC902 IC803 IC171
Q451 Q456
IC500
Q490 IC400
Q486
IC550
Q425
Q402
C762
(VNP1674-A)

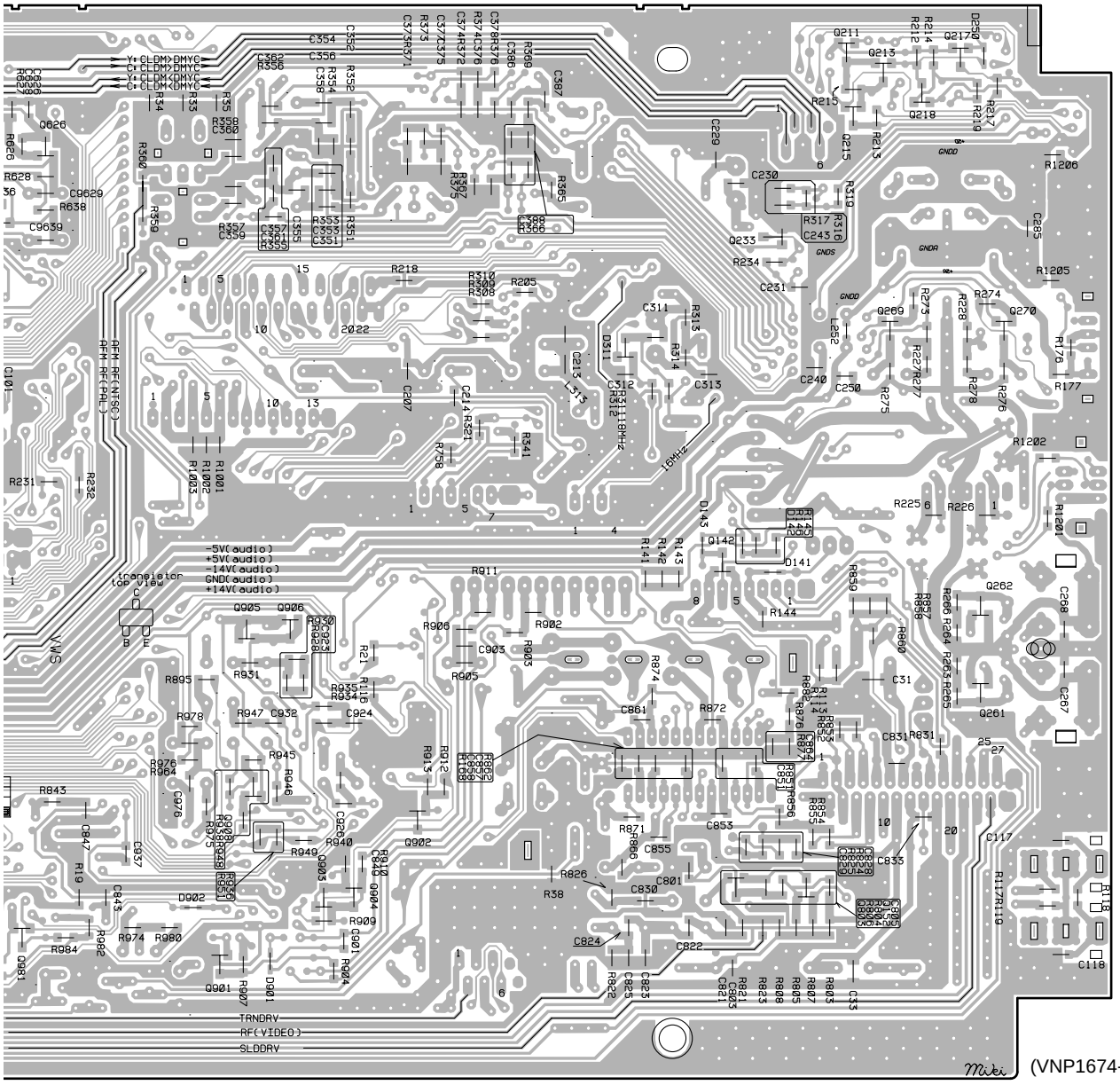
SIDE A

JF CLDM ASSY



Q601 Q485 Q484 Q483 Q122 Q656 — Q658 Q671 Q672 Q626
Q580 Q482 Q481 Q466 Q121 Q636
Q411 Q401 Q461 Q467 Q972 Q982 Q981
Q441

SIDE B



Q626
Q636
Q2 Q981
Q908
Q901— Q906
Q142
Q803
Q211— Q217
Q152
Q269
Q270
Q262
Q261

SIDE B